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| <p align="center">NATIONAL PHASE UTILITY APPLICATION</p> <p align="center">Transmittal to the (DO/EO/US) Under 35 USC 371</p> | <p>Attorney Docket No.: 2004-00580 First Named Inventor: Verbaanwheide et al. Int'l Application No.: PCT/US2004/030580 Int'l Filing Date: September 17, 2004 Priority Date Claimed: September 17, 2003 Title: A DYNAMIC AND DIFFERENTIAL CMOS LOGIC WITH SIGNAL-INDEPENDENT POWER CONSUMPTION TO WITHSTAND DIFFERENTIAL POWER ANALYSIS Express Mail Label No.: EV 766654501 US</p> |
| <p>Direct all correspondence to Customer No.: 20995</p> <p align="right">Date: January 18, 2006 Page 1 of 2</p> | |

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The following enclosures are transmitted herewith to be filed in the patent application of:

Inventors:

1. Ingrid M. Verbaanwheide
2. Kris J.V. Tiri

APPLICATION ELEMENTS:

- (X) This is a FIRST submission of items concerning a filing under 35 U.S.C. § 371.
- (X) A copy of the International Application as filed (35 U.S.C. § 371(c)(2)) is not required, as the application was filed in the U.S. Receiving Office.
- (X) An English translation of the International Application as filed is not required.
- (X) Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3)) have not been and will not be made.

OTHER APPLICATION PARTS:

- (X) Copy of Form PCT/IB/308 in 1 page.
- (X) Cover sheet of International Application as published in 2 pages.
- (X) Return prepaid postcard.

FILING FEES:

The present application qualifies for Small Entity Status under 37 CFR 1.27.

JAN 18 2006

10/565551

**NATIONAL PHASE
UTILITY APPLICATION**
Transmittal to the (DO/EO/US)
Under 35 USC 371

Attorney Docket No. 003NP
First Named Inventor: Verbaan, Wido et al
Int'l Application No.: PCT/US2004/030580
Int'l Filing Date: September 17, 2004
Priority Date Claimed: September 17, 2003
Title: A DYNAMIC AND DIFFERENTIAL CMOS LOGIC
WITH SIGNAL-INDEPENDENT POWER
CONSUMPTION TO WITHSTAND DIFFERENTIAL
POWER ANALYSIS
Express Mail Label No.: EV 766654501 US

AP20 Recd PCT/PTO 18 JAN 2006


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Date: January 18, 2006
Page 2 of 2

| FEE CALCULATION | | | | |
|--|-------------|--------------|----------------------|--------------|
| FEE TYPE & DETERMINATION | | SMALL FEE | CALCULATION | TOTAL |
| Basic Filing Fee under 1.492(a) | | 2631 (\$150) | | \$150 |
| Search Fee under 1.492(b) (enter one in TOTAL column) | | | | |
| (1) USPTO was ISA and claims are novel | | 2640 (\$0) | | \$50 |
| (2) USPTO was the ISA | | 2641 (\$50) | | |
| (3) Foreign Search Report Enclosed | | 2642 (\$200) | | |
| (4) No Search Report Enclosed | | 2632 (\$250) | | |
| Examination Fee under 1.492(c) (enter one in TOTAL column) | | | | |
| (1) USPTO was IPEA & claims satisfy Art. 33 (1)-(4)) | | 2643 (\$0) | | \$0 |
| (2) Non US IPEA / Noncompliant Claims | | 2633 (\$100) | | |
| Excess Claims | 25 - 20 = 5 | 2615 (\$25) | 5 x 25 = | \$125 |
| Excess Ind. Claims | 7 - 3 = 4 | 2614 (\$100) | 4 x 100 = | \$400 |
| Multiple Dep. Claim | | 2616 (\$180) | | \$0 |
| Application Size Fee | 0 - 100 = 0 | 2681 (\$125) | 0 x 125 = | \$0 |
| Late English Translation | | 1618 (\$) | | |
| Assignment | | 8021 (\$40) | 0 x 40 = | \$0 |
| | | | TOTAL FEE DUE | \$725 |
| TOTAL FEE PAID (If Different Than Fee Due) | | | | \$725 |

(X) A check in the amount of \$725 to cover the Total Fee Due is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment to Account No. 11-1410.



Lee W. Henderson Ph.D.
Registration No. 41,830
Attorney of Record
Customer No. 20,995
(949) 760-0404

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Alexandria, VA 22313-1450

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Attorney Docket No. : UCLARF.003NP

Applicant(s) : Verbauwhede et al.


For : A DYNAMIC AND DIFFERENTIAL CMOS
LOGIC WITH SIGNAL-INDEPENDENT
POWER CONSUMPTION TO WITHSTAND
DIFFERENTIAL POWER ANALYSIS

Attorney : Lee W. Henderson Ph.D.

"Express Mail" Label No. : EV 766654501 US

Date of Deposit : January 18, 2006

I hereby certify that the accompanying

Transmittal letter; Copy of Form PCT/IB/308 in 1 page; Cover Sheet of
International Application as published in 2 pages; Check for Filing Fees; Return
Prepaid Postcardare being deposited with the United States Postal Service "Express Mail Post Office to
Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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